

What is claimed is:

1. A device for observing variations of network packets, comprising:

a first I/O observer device for analyzing contents of a packet;

5 a second I/O observer device for analyzing contents of a packet;

a third I/O observer device for analyzing contents of a packet;

a first hub for transmitting the packets;

a second hub for transmitting the packets;

a third hub for transmitting the packets;

10 a first packet extractor having a packet outputting end and a packet receiving end, wherein said packet receiving end of the first packet extractor is connected to said first hub, said second hub, and third hub, and said packet outputting end of the first packet extractor is connected to said first I/O observer device;

a second packet extractor having a packet outputting end and a packet
15 receiving end, wherein said packet receiving end of the second packet extractor is connected to said first hub, said second hub, and third hub, and said packet outputting end of the second packet extractor is connected to said second I/O observer device; and

a third packet extractor having a packet outputting end and a packet receiving end, wherein said packet receiving end of the third packet extractor is connected to said
20 first hub, said second hub, and third hub, and said packet outputting end of the third packet extractor is connected to said third I/O observer device.

2. The device for observing variations of network packets according to claim 1, wherein said first I/O observer device is a personal computer.

3. The device for observing variations of network packets according to claim 1, wherein said second I/O observer device is a personal computer.

5 4. The device for observing variations of network packets according to claim 1, wherein said third I/O observer device is a personal computer.

 5. The device for observing variations of network packets according to claim 2, wherein said first packet extractor comprises three network interface cards
10 respectively connected to said first hub, said second hub, and said third hub.

 6. The device for observing variations of network packets according to claim 3, wherein said second packet extractor comprises three network interface cards
15 respectively connected to said first hub, said second hub, and said third hub.

 7. The device for observing variations of network packets according to claim 4, wherein said third packet extractor comprises three network interface cards
respectively connected to said first hub, said second hub, and said third hub.

20 8. A device for observing network packets, comprising:
a first hub;
a second hub;
a third hub;
a first personal computer provided with at least three network interface cards

respectively connected to said first hub, said second hub, and said third hub;

a second personal computer provided with at least three network interface cards respectively connected to said first hub, said second hub, and said third hub; and

- 5 a third personal computer provided with at least three network interface cards respectively connected to said first hub, said second hub, and said third hub.